

Name of Document] Abstract

[Abstract]

[PROBLEM TO BE SOLVED]: To obtain a titanium dioxide particle, wherein a primary particle is uniform, agglomeration does not occur even if the particle is not dispersed in a dispersion liquid, preservability is excellent, chlorine being difficult to handle is not generated, and dispersibility to an acidic aqueous solution is excellent.

[SOLUTION]: A titanium dioxide particle 21c of the present invention has 70 to 95 wt% crystalline anatase, a BET specific surface area being 65 to 120m<sup>2</sup>/g, and oil absorption being 70 to 90 ml/100g measured by the method according to JIS K5101. A photovoltaic device 10 comprises a light-transmittable base material 11, and a porous film 21b formed on the base material 11, in which a dye is absorbed, and the porous film 21b absorbing dye contains the titanium dioxide particle 21c.

[Chosen Drawing]: Figure 1